WHAT IS CLAIMED IS:

1. A printing apparatus to which an expendable having a memory for storing and holding information that pertains to a use state, and a recording agent used in a print process is detachably attached, comprising:

memory access means for making read and write to the memory in the expendable; and

setting means for setting inhibition/permission

of data write with respect to an address space in the memory.

- 2. The apparatus according to claim 1, wherein said memory access means and the memory are connected via a serial communication line.
- 15 3. The apparatus according to claim 1, wherein said memory access means and the memory are connected via non-contact communication means.
 - 4. The apparatus according to claim 1, further comprising:
- detection means for detecting an amount of an expendable agent in the expendable; and

expendable agent update means for writing the expendable agent amount detected by said detection means at a predetermined address position of the memory

25 via said memory access means, and

wherein said setting means sets to inhibit write to the predetermined address position when said detection means detects that the remaining amount of the expendable agent becomes not more than a predetermined amount.

The apparatus according to claim 1, wherein one

- or a plurality of predetermined amounts of the expendable agent are determined in advance, when each of the predetermined amounts has been reached, data indicating that the predetermined amount has been reached is written in an address area corresponding to that predetermined amount at a different timing, and write to the address area is set to be inhibited.
- 6. The apparatus according to claim 1, wherein the
 15 memory in the expendable includes a management address
 area which stores information indicating whether or not
 write to an address that stores the use state is
 permitted, and said setting means sets data stored at
 the management address.
- 20 7. A printing apparatus comprising:

detaching/attaching means for detaching or attaching an expendable having a memory capable of setting a locking state for inhibiting data writing with respect to at least a predetermined area in the

25 memory;

detection means for detecting state of the expendable;

write means for writing result detected by said detection means to the memory; and

- locking state control means for controlling the locking state of the memory on the basis of the result of said expendable detected by detection means.
 - 8. The apparatus according to claim 7, wherein the data communication between said printer and said expendable is made by wireless.
 - 9. The apparatus according to claim 7, wherein said detection means detects an amount of an expendable agent in the expendable.
- 10. The apparatus according to claim 7, wherein, when
 the amount of the expendable agent in the expendable
 detected by said detection means reaches a
 predetermined amount or one of a plurality of
 predetermined amounts said write means, said write
 means writes data, indicating that the amount of
- expendable agent has reached to the predetermined amounts, in said area of said memory, and said lock state control means controls the memory so that the area of the memory becomes locked state.
- 11. A method of controlling a printing apparatus to
 25 which an expendable having a memory for storing and holding information that pertains to a use state and a

recording agent used in a print process is detachably attached, comprising:

the memory access step of making read and write to the memory in the expendable; and

- the setting step of setting inhibition/permission of data write with respect to an address space in the memory.
- 12. The method according to claim 11, wherein data communication with said memory in said memory accessstep is performed by using a serial communication line.
 - 13. The method according to claim 11, wherein data communication with said memory in said memory access step is performed in non-contact manner with said memory.
- 15 14. The method according to claim 11, further comprising the detection step of detecting a mount of expendable agent in said expendable,

wherein, in said memory access step, the amount of the expendable agent in said expendable is written to a predetermined address of said memory,

and in said setting step, when the amount of the expendable agent detected in said detection step is less than a predetermined amount, write to the predetermined address of said memory is set to be

25 inhibited.

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15. The method according to claim 11, wherein one or a plurality of predetermined amounts of the expendable agent are determined in advance, when each of the predetermined amounts has been reached, data indicating that the predetermined amount has been reached is written in an address area corresponding to that predetermined amount at a different timing, and write to the address area is set to be inhibited.

16. The method according to claim 11, wherein said memory has a management address area for storing information indicating that write to an address area for storing a use state is inhibited or permitted,

wherein, in said setting step, the setting inhibition/permission of data write is performed against to the management address area.

17. A method of controlling a printing apparatus having detaching/attaching means for detaching or attaching an expendable having a memory capable of setting a locking state for inhibiting data writing with respect to a predetermined area in the memory, comprising the steps of:

the detection step of detecting state of the expendable;

the write step of writing result detected in said detection step to the memory; and

the locking state control step of controlling locking state of the memory on the basis of the status of the expendable detected in said detection step.

- 18. The method according to claim 17, wherein data
- 5 communication between the printing apparatus and the memory is made by wireless.
 - 19. The method according to claim 17, wherein, in said detection step, an expendable agent in the expendable is detected.
- 10 20. The method according to claim 17, wherein, when the amount of the expendable agent in the expendable detected in said detection step reaches a predetermined amount or one of a plurality of predetermined amounts, data indicating that the amount of expendable agent has
- reached to the predetermined amount is written in an area of said memory in said write step, and, in said lock state control step, said memory is controlled so that the area of the memory becomes locked state.
- 21. An expendable which has a recording agent used in 20 a print process and is detachable from a printing apparatus, comprising:

communication means for communicating with the printing apparatus when said expendable is attached to the printing apparatus;

a memory for storing and holding information that pertains to a use state, and writing and reading out

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data via said communication means when said expendable is attached to the printing apparatus; and

means for receiving information indicating permission/inhibition of write to said memory in units of addresses via said communication means, and locking write to said memory.

- 22. The expendable according to claim 21, wherein said communication means is means for communicating with the printer via a serial communication line.
- 10 23. The expandable according to claim 21, wherein said communication means is means for communicating with the printer by wireless.
 - 24. The expendable according to claim 21, wherein said memory has an address area for storing an amount of expendable agent in the expendable,

wherein, when the amount of the expendable agent in the expendable is less than a predetermined amount or one of a plurality of predetermined amounts, write to the address area of said memory is set to be inhibited.

- 25. The expendable according to claim 21, wherein said memory has address areas corresponding to a plurality of predetermined amounts of expendable agent, when the amount of expendable agent in the expendable
- 25 reaches a predetermined amount, data indicating that the amount of expendable agent reaches the

predetermined amount is written to an address area corresponding to the predetermined amount, and write to the written address area is set to be inhibited.

26. The expendable according to claim 21, wherein said memory has a management address area for storing information indicating that write to an address area for storing a use state is inhibited or permitted.